L Number	Hits	Search Text	DB	Time stamp
1	47	(("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.	USPAT	2004/07/06 09:01
2	0	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and Dcp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:56
3	0	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and dcp	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:56

4	27	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and (dcp or (data near5 protocol))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:57
5	9	(((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and (dcp or (data near5 protocol))) and (translat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 08:57
6	12	((("4843605") or ("5828835") or ("6026097") or ("5195093") or ("5270972") or ("5333134") or ("5414740") or ("5448558") or ("5471488") or ("5491824") or ("5493694") or ("5606666") or ("5664223") or ("5748612") or ("5784370") or ("5796739") or ("5917831") or ("5918073") or ("5930525") or ("5978562") or ("6005901") or ("6061410") or ("6061410") or ("6172983") or ("6201796") or ("6212225") or ("6215783") or ("6212225") or ("6215783") or ("4261035") or ("4523310") or ("4577314") or ("4763318") or ("4763323") or ("4823312") or ("4827473") or ("4839640") or ("4855905") or ("4866421") or ("4876681") or ("4896262") or ("4910506") or ("4918597") or ("4989135") or ("5222062") or ("5224100") or ("5226040") or ("5228083") or ("5235595") or ("5241660")).PN.) and (first near5 protocol)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 09:04
7	1		USPAT	2004/07/06 09:03
8	1		USPAT	2004/07/06 09:03

9	2896	protocol near5 transla$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 09:05
10	59	(protocol near5 transla$3) and (stream near5 translat$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 09:05
11	18	((protocol near5 transla$3) and (stream near5 translat$3)) and (stor$3 near5 buffer)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/06 09:06

C:\APPS\EAST\Workspaces\09931180.wsp

abstract 1
accordance 2
according 2
accordingly 1
adding 1
addition 1
additional 1
algorithms 1
allow 2
allows 1
also 2
america 1
an 5
analog 1
and 26
another 2
appletalk 1
are 1
as 2
aspect 1
assistance 1
audio 1
background 1
based 1
be 10
been 2
between 6
both 1
brief 1
buffer 4
business 1
by 5
can 1
capable 1
case 1
cases 1
certain 1
communicate 2
communication 52
communications 3
company 1
compatible 4
competent 1
comprising 2
computer 16
computers 10
connectors 1
context 1

continues 1
control 1
conversion 8
converts 2
couple 1
coupled 1
customers 1
data 7
demarcation 1
description 2
detailed 1
determining 2
device 5
devices 1
diagram 1
different 7
digital 2
disparate 2
do 1
drawings 2
dynamically 2
embodiment 1
enterprise 1
etc 2
example 3
exemplary 1
explained 1
extract 2
facilitate 1
facilitating 1
field 1
figure 4
first 31
for 21
from 7
functionality 1
gateway 7
generally 1
has 2
have 1
however 1
ib 1
if 1
illustrates 1
in 18
include 1
incompatible 6
incorporating 1

increase 1
increased 2
initiating 2
install 1
installation 2
installed 3
intelligent 4
intercepts 2
internet 2
into 5
introduced 1
invention 9
ip 1
is 22
it 8
its 2
itself 1
known 1
large 1
lfr 1
limited 2
local 6
made 1
maintenance 1
many 1
may 9
means 8
mechanism 1
media 1
method 2
microsoft 1
more 1
mpeg 1
must 2
mutually 1
necessary 1
need 1
network 16
networks 9
north 1
not 1
now 2
ntsc 1
number 3
of 31
on 9
once 1
one 2

operating 3
or 1
order 2
originating 1
other 2
over 2
own 1
part 3
particularly 2
performs 1
personnel 1
physical 1
player 2
point 1
preferable 1
preferred 1
present 5
primarily 1
problem 1
products 1
programs 1
proliferation 1
proprietary 1
protocol 35
protocols 10
provide 2
provides 2
public 1
purely 1
rapidly 1
real 1
received 1
receiving 2
recent 1
recently 1
reference 2
relates 2
relation 1
remote 4
require 3
requires 1
retrieving 2
said 18
samba 1
schematic 2
second 14
server 2
shown 1

signal 4
signals 1
similarly 2
simple 1
so 2
solution 1
solving 1
some 1
standard 2
standards 2
storing 2
stream 6
streaming 1
such 1
summary 1
support 1
system 6
systems 1
tasks 2
tcp 1
technical 1
telecommunications 1
television 1
that 5
the 47
their 1
them 1
there 1
therefore 1
these 1
third 2
this 6
through 1
title 1
to 24
traditional 1
transfer 1
translating 5
translator 2
transmitted 2
two 4
type 1
udp 1
under 1
understood 1
unix 1
updating 1
use 7

used 5
uses 1
using 3
utilities 3
utility 6
utilized 1
utilizes 3
utilizing 4
variety 1
various 1
video 4
way 1
well 1
were 1
where 1
which 16
while 1
will 1
windows 3
with 16
years 1

(4843605
5828835
6026097
5195093
5270972
5333134
5414740
5448558
5471488
5491824
5493694
5606666
5664223
5748612
5784370
5796739
5917831
5918073
5930525
5978562
6005901
6061410
6061410
6172983
6201796
6212225
6215783
6212225
6215783
4261035
4523310
4577314
4763318
4763323
4823312
4827473
4839640
4855905
4866421
4876681
4896262
4910506
4918597
4989135
5222062
5224100
5226040
5228083

5235595
5241660).pn.

Most Frequently Occurring Classifications of Patents Returned
From A Search of 09931180 on July 01, 2004

Original Classifications
 3 375/371
 2 340/825.52
 2 370/353
 2 370/408
 2 375/220
 2 710/22

Cross-Reference Classifications
 4 370/503
 4 370/516
 3 340/825.5
 3 341/123
 3 341/50
 3 341/61
 3 375/355
 3 375/372
 2 370/292
 2 370/545
 2 375/229
 2 375/231
 2 375/346
 2 379/93.15
 2 708/290
 2 708/300
 2 708/313
 2 710/52
 2 710/57

Combined Classifications
 4 370/503
 4 370/516
 4 375/355
 4 375/371
 3 340/825.5
 3 341/123
 3 341/50
 3 341/61
 3 375/372
 3 710/52
 2 340/825.52
 2 370/292
 2 370/353
 2 370/408

```
2   370/468
2   370/545
2   375/220
2   375/229
2   375/231
2   375/346
2   379/93.15
2   708/290
2   708/300
2   708/313
2   709/246
2   710/22
2   710/57
2   710/71
```

80
PLUS Search Results for S/N 09931180, Searched July 01, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated sear
ch
system for U.S. Patents from 1971 to the present. PLUS is a
query-by-example search system which produces a list of patents that a
re
most closely related linguistically to the application searched. This
search was prepared by the staff of the Scientific and Technical
Information Center, SIRA.

4843605
5828835
6026097
5195093
5270972
5333134
5414740
5448558
5471488
5491824
5493694
5606666
5664223
5748612
5784370
5796739
5917831
5918073
5930525
5978562
6005901
6061410
6061410
6172983
6201796
6212225
6215783
6212225
6215783
4261035
4523310
4577314
4763318
4763323
4823312

4827473
4839640
4855905
4866421
4876681
4896262
4910506
4918597
4989135
5222062
5224100
5226040
5228083
5235595
5241660

09931180_CLSTITLES
Titles of Most Frequently Occurring Classifications of Patents Returne
d
From A Search of 09931180 on July 01, 2004

    4 370/503   (0 OR, 4 XR)
          Class   370 : MULTIPLEX COMMUNICATIONS
          370/473   ..Transmission of a single message having
                              multiple packets
          370/498   .Combining or distributing information via tim
e
                              channels
          370/503   ..Synchronizing

    4 370/516   (0 OR, 4 XR)
          Class   370 : MULTIPLEX COMMUNICATIONS
          370/473   ..Transmission of a single message having
                              multiple packets
          370/498   .Combining or distributing information via tim
e
                              channels
          370/503   ..Synchronizing
          370/516   ...Adjusting for phase or jitter

    4 375/355   (1 OR, 3 XR)
          Class   375 : PULSE OR DIGITAL COMMUNICATIONS
          375/354   SYNCHRONIZERS
          375/355   .Synchronizing the sampling time of digital
                              data

    4 375/371   (3 OR, 1 XR)
          Class   375 : PULSE OR DIGITAL COMMUNICATIONS
          375/354   SYNCHRONIZERS
          375/371   .Phase displacement, slip or jitter correction

    3 340/825.5   (0 OR, 3 XR)
          Class   340 : COMMUNICATIONS: ELECTRICAL
          340/825   SELECTIVE
          340/825.5   .Lockout or priority (programmed or variable)

    3 341/123   (0 OR, 3 XR)
          Class   341 : CODED DATA GENERATION OR CONVERSION
          341/122   SAMPLE AND HOLD
          341/123   .Having variable sampling rate

    3 341/50   (0 OR, 3 XR)

Class 341 : CODED DATA GENERATION OR CONVERSION
341/50 DIGITAL CODE TO DIGITAL CODE CONVERTERS

3 341/61 (0 OR, 3 XR)
Class 341 : CODED DATA GENERATION OR CONVERSION
341/50 DIGITAL CODE TO DIGITAL CODE CONVERTERS
341/61 .Data rate conversion

3 375/372 (0 OR, 3 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/354 SYNCHRONIZERS
375/371 .Phase displacement, slip or jitter correction

375/372 ..Elastic buffer

3 710/52 (1 OR, 2 XR)
Class 710 : ELECTRICAL COMPUTERS AND DIGITAL DATA
PROCESSING SYSTEMS: INPUT/OUTPUT
710/1 INPUT/OUTPUT DATA PROCESSING
710/52 .Input/Output data buffering

2 340/825.52 (2 OR, 0 XR)
Class 340 : COMMUNICATIONS: ELECTRICAL
340/825 SELECTIVE
340/825.52 .Addressing

2 370/292 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/276 DUPLEX
370/282 .Transmit/receive interaction control
370/286 ..Echo suppression or cancellation
370/292 ...Using a training sequence

2 370/353 (2 OR, 0 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/352 .Combined circuit switching and packet
switching
370/353 ..Switching network having common elements to
handle both circuit switched traffic and pa
cket switched
traffic

2 370/408 (2 OR, 0 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/351 PATHFINDING OR ROUTING
370/389 .Switching a message which includes an address
header

```
         370/400         ..Having a plurality of nodes performing
                            distributed switching
         370/408         ...Nodes interconnected in hierarchy to form a
                            tree


  2  370/468       (1 OR, 1 XR)
         Class   370 :  MULTIPLEX COMMUNICATIONS
         370/464         COMMUNICATION TECHNIQUES FOR INFORMATION
                            CARRIED IN PLURAL CHANNELS
         370/465         .Adaptive
         370/468         ..Assignment of variable bandwidth or time
                            period for transmission or reception


  2  370/545       (0 OR, 2 XR)
         Class   370 :  MULTIPLEX COMMUNICATIONS
         370/473         ..Transmission of a single message having
                            multiple packets
         370/498         .Combining or distributing information via tim
e
                            channels
         370/545         ..Conversion of rate from a single input to a
                            single output


  2  375/220       (2 OR, 0 XR)
         Class   375 :  PULSE OR DIGITAL COMMUNICATIONS
         375/219         TRANSCEIVERS
         375/220         .Transmission interface between two stations o
r
                            terminals


  2  375/229       (0 OR, 2 XR)
         Class   375 :  PULSE OR DIGITAL COMMUNICATIONS
         375/229         EQUALIZERS


  2  375/231       (0 OR, 2 XR)
         Class   375 :  PULSE OR DIGITAL COMMUNICATIONS
         375/229         EQUALIZERS
         375/230         .Automatic
         375/231         ..Training period or initial set up


  2  375/346       (0 OR, 2 XR)
         Class   375 :  PULSE OR DIGITAL COMMUNICATIONS
         375/316         RECEIVERS
         375/346         .Interference or noise reduction


  2  379/93.15     (0 OR, 2 XR)
         Class   379 :  TELEPHONIC COMMUNICATIONS
         379/90.01       TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE
```

ELECTRICAL SYSTEM OR SIGNALLING (E.G., C
OMPOSITE)

379/93.01	.Having transmission of a digital message signal over a telephone line
379/93.14	..Having switching station
379/93.15	...Having format conversion

```
2  708/290      (0 OR,  2 XR)
    Class    708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                      AND CALCULATING
    708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
    708/200          .Particular function performed
    708/290          ..Interpolation/extrapolation

2  708/300      (0 OR,  2 XR)
    Class    708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                      AND CALCULATING
    708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
    708/200          .Particular function performed
    708/300          ..Filtering

2  708/313      (0 OR,  2 XR)
    Class    708 :  ELECTRICAL COMPUTERS:  ARITHMETIC PROCESSING
                      AND CALCULATING
    708/100          ELECTRICAL DIGITAL CALCULATING COMPUTER
    708/200          .Particular function performed
    708/300          ..Filtering
    708/313          ...Decimation/interpolation

2  709/246      (1 OR,  1 XR)
    Class    709 :  ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
                      SYSTEMS:  MULTIPLE COMPUTER OR PROCESS    COO
RDINATING
    709/200          MULTICOMPUTER DATA TRANSFERRING
    709/246          .Computer-to-computer data modifying

2  710/22       (2 OR,  0 XR)
    Class    710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                      PROCESSING SYSTEMS:  INPUT/OUTPUT
    710/1            INPUT/OUTPUT DATA PROCESSING
    710/22           .Direct Memory Accessing (DMA)

2  710/57       (0 OR,  2 XR)
    Class    710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                      PROCESSING SYSTEMS:  INPUT/OUTPUT
    710/1            INPUT/OUTPUT DATA PROCESSING
    710/52           .Input/Output data buffering
    710/57           ..Fullness indication
```

```
2  710/71        (1 OR, 1 XR)
       Class   710 :  ELECTRICAL COMPUTERS AND DIGITAL DATA
                         PROCESSING SYSTEMS:  INPUT/OUTPUT
       710/1            INPUT/OUTPUT DATA PROCESSING
       710/62           .Peripheral adapting
       710/65           ..Input/Output data modification
       710/71           ...Serial-to-parallel or parallel-to-serial
```

09931180_WEST
(4843605 5828835 6026097 5195093 5270972 5333134 5414740 5448558 54714
88 5491824 5493694 5606666 5664223 5748612 5784370 5796739 5917831 591
8073 5930525 5978562 6005901 6061410 6061410 6172983 6201796 6212225 6
215783 6212225 6215783 4261035 4523310 4577314 4763318 4763323 4823312
 4827473 4839640 4855905 4866421 4876681 4896262 4910506 4918597 49891
35 5222062 5224100 5226040 5228083 5235595 5241660).pn.

```
4843605 99
5828835 99
6026097 99
5195093 99
5270972 99
5333134 99
5414740 99
5448558 99
5471488 99
5491824 99
5493694 99
5606666 99
5664223 99
5748612 99
5784370 99
5796739 99
5917831 99
5918073 99
5930525 99
5978562 99
6005901 99
6061410 99
6061410 99
6172983 99
6201796 99
6212225 99
6215783 99
6212225 99
6215783 99
4261035 99
4523310 99
4577314 99
4763318 99
4763323 99
4823312 99
4827473 99
4839640 99
4855905 99
4866421 99
4876681 99
4896262 99
4910506 99
4918597 99

5222062 99
5224100 99
5226040 99
5228083 99
```

5235595 99
5241660 99